



Bachelor of Science

Health Sciences

• CIP code 510000 • 120 credits

Program Description

The Bachelor of Science in Health Sciences program combines laboratory-based coursework with a curriculum that is essential for understanding human health, healthcare structure and function, healthcare policy, ethics, medical practice, long-term care, and research in general applied life sciences. The Bachelor of Science in Health Sciences prepares graduates for a variety of health careers in medical and pharmaceutical industries, in wellness, public health, healthcare management, and other related fields. In addition, the program is designed to provide a strong foundation for further graduate studies within the life sciences, healthcare management, public health, and other related disciplines.

Program Outcomes

- **Biological Science Knowledge:** Graduates will apply knowledge of the principles and processes of the basic sciences and scientific methods.
- **Integrative Health Knowledge:** Graduates will analyze health issues, policies, and healthcare management principles based on an integrated interdisciplinary approach.
- **Information Literacy:** Graduates will understand technology's impact on information-gathering and fact-finding and be able to use technology to assess scientific and technical literature.
- **Quantitative Reasoning:** Graduates will apply basic logic, mathematical reasoning, and statistical analysis to problem solving.
- **Critical Thinking:** Graduates will engage in critical thinking, reflection, and problem solving through evidence-based practice.
- **Communication Effectiveness:** Graduates will professionally construct and express their ideas, thoughts, and concepts through written and verbal communication.
- **Professionalism:** Graduates will demonstrate professional ethics, lifelong learning, self-awareness and academic integrity.
- **Cultural and Social Understanding:** Graduates will demonstrate cultural competence by recognizing the cultural beliefs, values, health equity, and health practices of diverse populations to improve health access and outcomes.

Careers and Further Study

A degree in health sciences provides graduates with the fundamental academic training and analytical skills to work in a variety of health-related fields including medical and pharmaceutical industries, wellness, public health, and healthcare management.

Graduates will also have a strong foundation to support graduate studies within the life sciences, healthcare management, public health, and related fields.

General Education 42 credits

LRN 175	Principles & Processes of Adult Learning	3
WRT 101	College Writing I	3
CTH 225	Foundations of Critical Thinking	3
MAT 101	College Math I	3
CMP 130	Introduction to Computer Applications	3
CMP 230	Digital Literacy	3
WRT 102	College Writing II	3
MAT 102	College Math II	3

WRT 101-102 and MAT 101-102 may be waived if equivalent courses have been accepted in transfer. Credits will be replaced with open electives. WRT 201 required if both WRT 101-102 are waived; not required for students completing WRT 101-102 at Cambridge. WRT 090 and MAT 100 required if assessment indicates need.

Arts & Humanities 6

Natural & Physical Sciences 6

MAT 201	Introduction to Statistics – <u>required</u>	3
PHW 303	Nutrition & Health Promotion – <u>required</u>	3

Social Sciences 6

Open Electives 36 credits

Choose electives and/or concentrations to support your academic interests and professional goals.

Health Sciences Major 42 credits

SCI 201	General Chemistry I – with lab	4
SCI 203	General Biology I – with lab	4
SCI 204	General Biology II – with lab	4
SCI 205	Anatomy & Physiology I – with lab	4
SCI 206	Anatomy & Physiology II – with lab	4
SCI 207	Microbiology – with lab	4
PHW 300	Introduction to Wellness & Health Promotion	3
SCI 311	The Science of Exercise	3
SCI 339	Epidemiology and Public Health	3
HCM 301	Healthcare Policy and Reform	3
	See course description under <i>Management: Health Care (HCM)</i> on page 133.	
BSM 354	Legal & Ethical Aspects of Healthcare	3
	See course description under <i>Management (BSM)</i> on page 126.	
SCI 400	Scientific Research Coordination	3